

LIST OF CURRENT CLAIMS

1. (Currently Amended) An apparatus (2) for checking ~~in particular the authenticity and/or the nominal value of~~ documents of value (BN) with luminescent feature substances (15), comprising with an illuminating apparatus (7) for illuminating the document of value_i (BN), a sensor device (8) for measuring the luminescence radiation emitted by the illuminated document of value_i (BN), ~~and~~ an evaluation unit (6) for carrying out the checking on the basis of the measured values of the sensor device_i (8),

~~characterized in that~~

a plurality of measuring tracks, along each one of which a plurality of measured values (Ka, Kb) of the luminescence radiation may be ~~are~~ captured, said tracks ~~along each of one or a plurality of measuring tracks (S1-S4)~~ extending transversely across the document of value_i (BN), and

wherein the evaluation unit (6) ~~carries~~ is arranged to carry out the evaluation on the basis of an integrated luminescence measuring (Ks), which is obtained by integrating the measured values (Ka, Kb) of the respective measuring track (S1-S4).

2. (Currently Amended) The apparatus according to claim 1, wherein ~~characterized in that~~ the evaluation unit is arranged to obtain (6) ~~obtains~~ the integration of the measured values (Ka, Kb) by an addition of a plurality of discrete measured values (Ka, Kb) of either or both of the luminescence radiation and ~~and/or~~ by a time-integrated measuring of the luminescence radiation.

3. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the evaluation unit is arranged to carry (6) ~~carries~~ out the evaluation both on the basis of the integrated luminescence measuring (Ks), and not-integrated measured values (Ka, Kb) of the luminescence radiation corresponding to different spatial areas (18) of the respective measuring track (S1-S4).

4. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the evaluation unit (6) carries is arranged to carry out an in particular broadband evaluation of the spectral distribution of the integrated luminescence measuring (Ks).

5. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the evaluation unit (6) carries is arranged to carry out the integration both with respect to the spatial distribution and/or the spectral distribution of the luminescence radiation.

6. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the apparatus is arranged to (2) can check documents of value (BN) having different luminescent feature substances (15a, 15b), which are contained individually or in combination in the document of value (BN), and the evaluation unit (6) is adapted as to be able to determine either or both of whether one of the different feature substances and/or which of the different feature substances is contained in the checked document of value and which of the different feature substances is contained in the checked document of value.

7. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the apparatus (2) has includes a transport apparatus (5) for transporting past the illuminating apparatus (7) and the sensor device (8), and the sensor device (8) can is arranged to carry out the integrated luminescence measuring (Ks) along a track (S1-S4) extending in transport direction (T).

8. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the sensor device is adapted to measure (8) measures along a plurality of parallel tracks (S1-S4), which either or both overlap each other and and/or are spaced-apart from each other.

9. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the total dimension ~~(b1+b2)~~ of all tracks (S1, S2) perpendicular to the integration direction (T) amounts to less or more than half of a the total dimension (B) of the document of value (BN) in the same direction.

10. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the illuminating apparatus (7) produces a continuous illumination or a pulsed illumination with a plurality of pulses per track measuring.

11. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the sensor device (8) carries out a spatially resolved measuring in a direction either or both perpendicular to and along the and/or in track direction (T).

12. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the sensor device (8) carries out a spectrally integrated measuring in a direction either or both perpendicular to and along the and/or in track direction (T).

13. (Currently Amended) The apparatus according to claim 1, wherein ~~at least one of the above claims, characterized in that~~ the sensor device (8) has a plurality of sensors (8a-8d), each sensor being adapted to measure one individual track (S1-S4) corresponding to one area ~~(17a-17d)~~ of a coding.

14. (Currently Amended) The apparatus according to claim 1, wherein ~~either or both at least one of the above claims, characterized in that~~ the sensor device comprises (8) ~~has~~ a plurality of sensors (8a-8d), which have different spectral behaviors and and/or the illuminating apparatus comprises (7) ~~has~~ a plurality of light sources ~~(7a-7d)~~, which have different spectral behaviors.

15. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the evaluation unit (6) carries is arranged to carry out a time-resolved evaluation of the integrated luminescence measuring (Ks).

16. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the evaluation unit (6) carries is arranged to carry out the evaluation of the integrated luminescence measuring (Ks) in a wavelength range selected from the group consisting of more than about 800 nanometers; and, in particular more than about 1000 nanometers.

17. (Currently Amended) The apparatus according to claim 1, comprising either or both at least one of the above claims, characterized by an additional nominal value sensor and and/or an additional state sensor (9), the evaluation unit (6) carrying arranged to carry out the evaluation of the integrated luminescence measuring (Ks) taking into account the nominal value of the checked document of value (BN) determined with the help of the nominal value sensor or the state of the checked document of value (BN) determined with the help of the state sensor (9).

18. (Currently Amended) The apparatus according to claim 1, wherein at least one of the above claims, characterized in that the apparatus comprises one or more devices selected from the group: (2) is an apparatus (1) device for counting; device for and/or sorting; device for and/or depositing; device for and/or paying out bank notes (BN) and/or and a handheld checking device.

19. (Currently Amended) A method for checking ~~in particular the authenticity and/ or the nominal value of~~ documents of value (BN) with luminescent feature substances (15), wherein the document of value (BN) to be checked is illuminated along at least one track (S1-S4) extending over the document of value (BN) and the checking is carried out on the basis of measuring the luminescence radiation emitted by the illuminated document of value (BN),

~~characterized in that~~ comprising the steps:

capturing a plurality of measured values (~~Ka, Kb~~) of the luminescence radiation are ~~captured~~ along each of one or a plurality of measuring tracks (~~S1-S4~~) extending transversely across the document of value (~~BN~~) and carrying out the evaluation is ~~carried out~~ on the basis of an integrated luminescence measuring (~~Ks~~), which is obtained by integrating the measured values (~~Ka, Kb~~) of the respective measuring track (~~S1-S4~~).

20. (Currently Amended) The method according to claim 19, wherein ~~characterized in that~~ luminescent feature substances (~~15~~) are checked which are either or both incorporated in and ~~and/or~~ applied onto the document of value (~~BN~~) in random distribution.